

Remarks

By the foregoing amendment, claim 1 has been amended to correct a typographical error. Reconsideration of the rejections of record is respectfully requested.

Claim 1 has been objected to on the basis “phenanthroline” is misspelled. This typographical error has been corrected.

Claims 1 and 6 have been rejected under 35 U.S.C. §102(b) as anticipated by U.S. Patent No. 5,834,053 to Dye et al. In this regard it is respectfully submitted that, contrary to the Examiner’s contention, there is no disclosure of a compound including cerium (III), europium (III) terbium (III) with any of the organic ligands recited in claim 1 or claim 6.

Further, it is respectfully submitted that, contrary to the Examiner’s contention, Dye et al. discloses a blue emitting substance which is a thiogallate, not the compounds recited in claim 1 or claim 6. Rather, Dye et al. merely teaches that europium, terbium and cerium compounds can be used as activator dopants (col. 3, lines 2-12). As advised, one skilled in the art understands the term “activator dopant” as used in Dye et al. to be a material which is not an emitter in its own right but improves the thiogallate emission.

There is no teaching or suggestion in Dye et al. of the compounds claimed in claim 1 and claim 6, much less the light emission properties of these compounds.

Further, the Examiner’s attention is invited to page 4, second paragraph of the present application which states that it would have been expected that a Eu(II) complex would be unstable in air.

Claims 1, 8-9, 11-14, 16-21 and 23-27 have been rejected under 35 U.S.C. §103 as being unpatentable over U.S. Patent No. 5,923,363 to Hu et al. in view of U.S. Patent No. 6,025,677 to Moss, III.

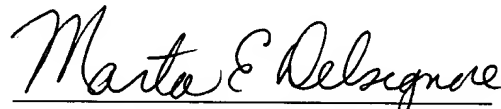
Like Dye et al., these references merely teach a thiogallate blue phosphor. Indeed at col. 2, lines 37-40 Moss, III teaches thiogallate material is expensive. If one skilled in the art understood that compounds as in the claimed invention, without gallium, could be used as a blue emitting substance, why then did one skilled art, such as Moss, III, not teach just such an alternative?

In view of the foregoing claims 1, 6-9, 11-14, 16-21 and 23-27, all the pending claims are patentable over the cited art.

Prompt and favorable action is respectfully requested.

Respectfully submitted,

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